

# **Australian Bureau of Statistics**

# 1350.0 - Australian Economic Indicators, Sep 2001

ARCHIVED ISSUE Released at 11:30 AM (CANBERRA TIME) 31/08/2001

## Special Article - Experimental State Dissection of Industry Data

#### INTRODUCTION

The Australian Bureau of Statistics (ABS) is aware of the interest among users for more State dissections of industry data. In response, the ABS has produced an **Information paper Experimental Estimates: Australian Industry, a State Perspective** (Cat. no. 8156.0) which presents experimental estimates of selected industries for 1998-1999. The estimates are derived by combining information from the ABS annual Economic Activity Survey, other ABS business collections and Australian Taxation Office (ATO) data to produce State estimates of operating income and expense measures across selected industries. These statistics are experimental in nature and are the first part of an ongoing program to make State estimates available for the full range of industries.

This article presents a summary of findings for the 1998-1999 year. The ABS plans to continue this work for 1999-2000 estimates, to improve methods of providing more detailed information, and to release estimates for subsequent years on a regular basis.

Due to the experimental nature of the estimates and the methodology employed, the Methodology section of the Information Paper should be reviewed before undertaking any analysis on the tables presented in this article. Broadly the methodology involved separating the Economic Activity Survey/Tax units into two groups. The first was those businesses identified as operating only in one State (single-State businesses); the second was those identified as operating across more than one state (multi-State businesses). Single-State businesses (including all non-employers) were assigned to a State using the mail address postcode. For multi-State businesses, dissections of both sales and wages for each State were obtained for all significant contributors from other ABS collections or from direct contact with the business.

Some of the key assumptions include:

- all businesses fitting the non-employer definition were assumed to operate in only one State;
- for single-State businesses, the mailing address was in the same State in which the business operates;
- the vast majority of multi-State businesses have been identified;
- some inconsistencies may result from sourcing State proportions from various ABS collections with different reporting periods, definitions and scope.

The ABS is investigating state estimates using the methodology outlined in the Information Paper and seeks feedback on the methodology specifically, as well as the usefulness, range and quality of the data presented and explanations provided. The tables included are an example of what the ABS would like to be producing on an ongoing basis.

#### **CAVEATS**

The estimates are considered experimental and should be used with caution. The estimates shown in this article are to illustrate the level of detail available and to give readers an indication of future possibilities. Some of the assumptions that have been relied upon in the production of these estimates cannot easily be directly tested. Users are advised to review the assumptions and methodology for themselves before deciding on fitness for purpose. Details regarding the quality of the estimates and assumptions can be found in the Information Paper.

Differences between data presented in this paper and other ABS publications may be due to differences in scope, reference

period, statistical unit and the definition of data items. It is hoped that the methodology to produce these experimental estimates can be continually improved to a point when the ABS can remove the 'experimental' tag. The work so far has focused on the estimates at the industry level with further analysis to be undertaken to produce finer level industry data and expansion of the industry coverage. The Communication Services and Accommodation, Cafes and Restaurants industries have already been identified as areas requiring further investigation. Increasing the quality of labour cost State dissections for multi-State businesses will also be a major focus.

TABLE 1. EXPERIMENTAL ESTIMATES, Selected items by employing status-1998-1999

Period	New South Wales (\$m)	Victoria (\$m)	Queens- land (\$m)	South Australia (\$m)	Western Australia (\$m)	Tasmania (\$m)	Northern / Territory (\$m)	AustralianAustralia Capital (\$m) Territory (\$m)
			EMPL	.OYERS				
Total operating income Total operating expenses Operating profit before tax Labour costs	288,780 274,588 15,590 50,995	213,761 197,855 16,160 32,492	125,278 120,639 5,167 21,431	45,753 43,230 2,096 7,533	71,234 67,399 4,205 11,601	11,669 11,194 574.0 2,017	5,989 5,722 282.0 1,211	11,862 774,325 11,129 731,946 764.0 44,838 2,219 129,500
			NON EM	IPLOYER	RS			
Total operating income Total operating expenses Operating profit before tax Labour costs(a)	18,453 14,029 4,424	13,171 10,045 3,126	9,877 7,511 2,366	3,829 2,824 1,006	5,954 4,153 1,800	933.0 701.0 232.0	431.0 303.0 128.0	778.0 53,426 569.0 40,134 209.0 13,292
		TOTAL	SELECT	ED BUS	INESSE	S		
Total operating income Total operating expenses Operating profit before tax Labour costs	307,233 288,617 20,015 50,995	226,932 207,900 19,286 32,492	135,154 128,150 7,533 21,431	49,583 46,243 3,101 7,533	77,187 71,552 6,006 11,601	12,602 11,895 806.0 2,017	6,420 6,025 410.0 1,211	12,639 827,751 11,698 772,080 973.0 58,130 2,219 129,500

<sup>(</sup>a) Not applicable

Source: Experimental Estimates: Australian Industry, a State Perspective(Cat. no. 8156.0).

#### **EMPLOYER AND NON-EMPLOYER ESTIMATES**

Table 1 shows the experimental estimates of total operating income, total operating expenses, operating profit before tax and labour costs for employers and non-employers for each State and

Territory of Australia. Employing businesses in New South Wales and Victoria account for 70.8% of Operating Profit Before Tax (OPBT) of employing businesses across Australia while the non-employing businesses in New South Wales and Victoria account for 56.8% of the OPBT of the non-employing businesses across Australia.

In contrast, for Queensland, South Australia, Western Australia, Tasmania and the Northern Territory the OPBT of non-employing businesses as a percentage of total non-employing businesses is higher than OPBT contributions of employing businesses.

#### **INDUSTRY CONTRIBUTION ACROSS STATES**

New South Wales accounts for 37.1% of the total Australian operating income for all selected industries. Equivalent percentages for other States are; Victoria 27.4%, Queensland 16.3%, South Australia 6.0%, Western Australia 9.3%, Tasmania 1.5%, Northern Territory 0.8% and the Australian Capital Territory 1.5%.

Table 2 shows the experimental estimates by industry division for each State and Territory of Australia. Of the total Australian operating income for Cultural and Recreational Services, 41.1% and

31.5% is attributed to New South Wales and Victoria respectively.

Operating income from the Property and Business Services industry contributes 40.4% of total Australian operating income to New South Wales, 28.3% to Victoria, 12.7% to Queensland and 10.1% to Western Australia.

Personal Services, and Property and Business Services contribute 3.6% and 3.2% respectively of the total Australian operating income to the Australian Capital Territory.

The percentage contributions for labour cost by State for all selected industries as a percentage of total Australian labour cost are: New South Wales 39.4%; Victoria 25.1%; Queensland 16.5%; South Australia 5.8%; Western Australia 9.0%; Tasmania 1.6%; Northern Territory 0.9% and Australian Capital Territory 1.7%.

#### **INDUSTRY CONTRIBUTION WITHIN STATES**

When examining the operating income activity within each State, Wholesale Trade is the largest contributor in New South Wales (27.3%) and Victoria (27.1%). For all other States, Retail Trade is the largest contributor with the exception of the Australian Capital Territory where Property and Business Services is the highest contributor.

In all States except South Australia, Property and Business Services make the highest contributions to total State labour costs. This industry also makes the highest contribution to each State's OPBT except in Queensland and Northern Territory where the Construction industry makes the highest contribution.

TABLE 2. EXPERIMENTAL ESTIMATES, Selected items by industry division-1998-1999

Period	New	VictoriaQue	ensland	South	Western	Tasmania	Northern A	AustralianAı	ustralia
	South	(\$m)	(\$m)	Australia	Australia	(\$m)	Territory	Capital	(\$m)
	Wales			(\$m)	(\$m)		(\$m)	Territory	
	(\$m)							(\$m)	

Cultural and Recreational Services (b)   np   np   1,516   707   661   157   79   292   8,155			TOTA	AL OPER <i>A</i>	ATING IN	ICOME				
Construction	Total selected service	307,233	226,932	135,154	49,583	77,187	12,602	6,420	12,639	827,751
Wholesale Trade										
Retail Trade			•		,		•			,
Accommodation, Cafes and Restaurants Transport and Storage Communication Services Personal Services Property and Business Trada Selected service (b)  Total selected service (b)  Total selected service (b)  Total selected service (c)  Total selected service (b)  Total selected service (c)  Total selected servi						,		•		
Restaurants										
Restaurants		12,039	6,655	6,839	3,013	3,034	1,154	792	536	34,061
Transport and Storage   Communication Services   Property and Business   Agricultural and   Agricultural a										
Communication Services		26 1/16	18 071	11 959	/ 20N	6 460	1 512	623	257	60 226
Property and Business		,	•	,						
Services   Health Services (a)			•	,						•
Health Services (a)   8,245   6,119   5,380   1,976   2,473   515   107   480   25,28	. ,	45,505	04,004	10,000	4,000	12,001	1,010	002	0,515	122,010
Cultural and Recreational Services         9,631         7,376         3,073         921         1,834         227         159         193         23,415           Recreational Services (b)         np         np         np         1,516         707         661         157         79         292         8,155           TOTAL OPERATING EXPENSES           Total selected service industries         Construction         33,143         17,450         16,953         4,709         80.72         939         812         1,814         83,922           Construction         33,143         17,450         16,953         4,709         80.72         939         812         1,814         83,252           Wholesale Trade         81,794         59,124         33,181         21,2506         19,577         3,146         975         1,153         21,382           Retail Trade         69,669         49,722         35,655         14,847         19,847         3,445         1,714         3,258         188,02           Accommodation, Cafes and         11,391         6,379         6,758         2,085         1,892         1,729         822         20         64,59           Commun		8.245	6.119	5.380	1.976	2.473	515	107	480	25,294
Total selected services   Personal services (b)	` ,							159		
Total selected service 288,617 207,900 128,150 46,243 71,552 11,895 6,025 11,698 772,081 industries 33,143 17,450 16,953 4,709 8,072 939 812 1,841 83,921 Wholesale Trade 81,794 59,124 33,118 12,506 19,577 3,146 975 1,153 211,392 Retail Trade 69,669 49,722 35,655 14,847 19,847 3,445 1,714 32,581 98,022 Accommodation, Cafes 11,391 6,379 6,758 2,852 2,851 1,209 765 486 32,693 and Restaurants Transport and Storage 24,407 17,101 11,155 4,007 5,728 1,392 582 220 64,593 Communication Services np np 969 360 452 104 48 313 23,555 Property and Business 43,546 29,778 14,801 4,071 10,645 917 846 3,545 1081,555 ervices Health Services (a) 7,137 5,281 4,752 1,618 2,157 415 95 439 21,89 Cultural and 8,175 6,841 2,615 771 1,645 187 115 168 20,511 Recreational Services Personal services (b) np np 1,374 635 578 140 73 274 7,341 COPERATING PROFIT BEFORE TAX  **OPERATING PROFIT BEFORE TAX**  **Total selected service 2,234 1,804 1,270 492 813 137 55 103 6,99 42 Accommodation, Cafes 68 297 98 169 199 3 26 51 1,511 and Restaurants and Restau		,	, -	-,-		,				-,
Total selected service industries	Personal services (b)	np	np	1,516	707	661	157	79	292	8,159
Total selected service industries			ΤΟΤΔΙ	OPERAT	ING EX	DENISES				
Industries			TOTAL			LINOLO				
Construction   33,143   17,450   16,953   4,709   8,072   939   812   1,841   83,92   Wholesale Trade   31,794   59,124   33,118   12,506   19,577   3,146   975   1,153   211,391   22,191   22,19   12,000   20,000   2		288,617	207,900	128,150	46,243	71,552	11,895	6,025	11,698	772,080
Wholesale Trade		00 4 40	47 450	40.050	4 700	0.070	000	04.0	4.044	00.000
Retail Trade										
Accommodation, Cafes and Restaurants  Transport and Storage										
Restaurants Transport and Storage Communication Services np np np 969 360 452 104 48 313 23,555 Property and Business 43,546 29,778 14,801 4,071 10,645 917 846 3,545 108,155 Services Health Services (a) 7,137 5,281 4,752 1,618 2,157 415 95 439 21,89 Cultural and 8,175 6,841 2,615 771 1,645 187 115 168 20,510 Recreational Services Personal services (b) np np np 1,374 635 578 140 73 274 7,346   OPERATING PROFIT BEFORE TAX  Total selected service 100 101 101 101 101 101 101 101 101 10								,		
Restaurants		11,391	6,379	6,758	2,852	2,851	1,209	705	486	32,691
Transport and Storage Communication Services np np np 969 360 452 104 48 313 23,55 Property and Business 43,546 29,778 14,801 4,071 10,645 917 846 3,545 108,156 Services Health Services (a) 7,137 5,281 4,752 1,618 2,157 415 95 439 21,89 Cultural and 8,175 6,841 2,615 771 1,645 187 115 168 20,516 Recreational Services (b) np np np 1,374 635 578 140 73 274 7,346 Personal services (b) np np np 1,374 635 578 140 73 274 7,346 Personal services (c) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 578 140 73 274 7,346 Personal services (d) np np np 1,374 635 788 140 73 274 7,346 Personal services (d) np np np 1,374 635 788 140 73 274 7,346 Personal services (d) np np np 1,374 635 788 140 73 274 7,346 Personal services (d) np np np 1,374 635 788 140 73 274 7,346 Personal services (d) np np np 1,374 635 788 140 73 274 7,346 Personal services (d) np np np 1,374 635 788 140 73 274 7,346 Personal services (d) np np np 1,46 72 85 17 6 18 82 Personal Services (d) np np np 1,46 72 85 17 6 18 82 Personal Services (d) np np np 1,46 72 85 17 6 18 82 Personal Services (d) np np np 1,46 72 85 17 6 18 82 Personal Services (d) np np np 1,46 72 85 17 6 18 82 Personal Services (d) np np np 1,46 72 85 17 6 18 82 Personal Services (d) np np np 1,46 72 85 17 6 18 82 Personal Services (d) np np np 1,46 72 85 17 6 18 82 Personal Services (										
Communication Services   np   np   969   360   452   104   48   313   23,556     Property and Business   43,546   29,778   14,801   4,071   10,645   917   846   3,545   108,151     Services   Health Services (a)   7,137   5,281   4,752   1,618   2,157   415   95   439   21,89     Cultural and   8,175   6,841   2,615   771   1,645   187   115   168   20,511     Recreational Services   Personal services (b)   np   np   1,374   635   578   140   73   274   7,341     Communication Services   7,533   3,101   6,006   806   410   973   58,131     Industries   Construction   3,064   2,122   1,963   485   1,168   136   138   190   9,26     Wholesale trade   2,587   2,071   1,041   436   715   76   52   37   7,01     Retail Trade   2,324   1,804   1,270   492   813   137   55   103   6,99     Accommodation, Cafes   668   297   98   169   199   3   26   51   1,51     and Restaurants   Transport and Storage   1,781   939   829   286   745   125   40   36   4,78     Communication Services   np   np   122   43   60   11   1   32   6,23     Property and Business   6,290   5,024   980   612   1,718   160   38   442   15,26     Services   Health Services (a)   1,107   843   631   356   316   99   11   40   3,40     Cultural and   1,408   532   452   151   187   41   43   25   2,83     LABOUR COSTS   Total selected service   50,995   32,492   21,431   7,533   11,601   2,017   1,211   2,219   12,950      Total selected service   50,995   32,492   21,431   7,533   11,601   2,017   1,211   2,219   12,950      Total selected service   50,995   32,492   21,431   7,533   11,601   2,017   1,211   2,219   12,950      Total selected service   50,995   32,492   21,431   7,533   11,601   2,017   1,211   2,219   12,950      Total selected service   50,995   32,492   21,431   7,533   11,601   2,017   1,211   2,219   12,950      Total selected service   50,995   32,492   21,431   7,533   11,601   2,017   1,211   2,219   12,950      Total selected service   50,995   32,492   21,431   7,533   11,601   2,017   1,211   2,219   12,950      Total		24 407	17 101	11 155	4 007	5 728	1 302	582	220	6/ 501
Property and Business Services Health Services (a) 7,137 5,281 4,752 1,618 2,157 415 95 439 21,899 Cultural and 8,175 6,841 2,615 771 1,645 187 115 168 20,514 Recreational Services Personal services (b) np np np 1,374 635 578 140 73 274 7,344  COPERATING PROFIT BEFORE TAX  Total selected service 20,015 19,286 7,533 3,101 6,006 806 410 973 58,136 industries Construction 3,064 2,122 1,963 485 1,168 136 138 190 9,266 Wholesale trade 2,587 2,071 1,041 436 715 76 52 37 7,014 Retail Trade 2,324 1,804 1,270 492 813 137 55 103 6,994 Accommodation, Cafes 668 297 98 169 199 3 26 51 1,513 and Restaurants Transport and Storage 1,781 939 829 286 745 125 40 36 4,781 Communication Services np np np 122 43 60 11 1 32 6,233 Property and Business 6,290 5,024 980 612 1,718 160 38 442 15,264 Services Health Services (a) 1,107 843 631 356 316 99 11 40 3,404 Recreational Services Personal Services (b) np np 146 72 85 17 6 18 82  LABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500					•	•	,			,
Services   Health Services (a)   7,137   5,281   4,752   1,618   2,157   415   95   439   21,897   Cultural and   8,175   6,841   2,615   771   1,645   187   115   168   20,514   Recreational Services (b)   np   np   1,374   635   578   140   73   274   7,344										•
Health Services (a)		10,010	20,110	1,001	.,0. =	20,010	01.	0.10	0,010	100,100
Recreational Services   Personal services (b)   np   np   1,374   635   578   140   73   274   7,348		7,137	5,281	4,752	1,618	2,157	415	95	439	21,897
Personal services (b)   np   np   1,374   635   578   140   73   274   7,344	Cultural and	8,175	6,841	2,615	771	1,645	187	115	168	20,516
Total selected service   20,015   19,286   7,533   3,101   6,006   806   410   973   58,136   industries   Construction   3,064   2,122   1,963   485   1,168   136   138   190   9,266   Wholesale trade   2,587   2,071   1,041   436   715   76   52   37   7,014   7,531   7,015	Recreational Services									
Total selected service 20,015 19,286 7,533 3,101 6,006 806 410 973 58,136 industries  Construction 3,064 2,122 1,963 485 1,168 136 138 190 9,266 Wholesale trade 2,587 2,071 1,041 436 715 76 52 37 7,016 Retail Trade 2,324 1,804 1,270 492 813 137 55 103 6,996 Accommodation, Cafes 668 297 98 169 199 3 26 51 1,516 and Restaurants  Transport and Storage 1,781 939 829 286 745 125 40 36 4,786 Communication Services np np 122 43 60 11 1 32 6,236 Property and Business 6,290 5,024 980 612 1,718 160 38 442 15,266 Services  Health Services (a) 1,107 843 631 356 316 99 11 40 3,406 Cultural and 1,408 532 452 151 187 41 43 25 2,836 Recreational Services  Personal Services (b) np np 146 72 85 17 6 18 825 LABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500	Personal services (b)	np	np	1,374	635	578	140	73	274	7,348
industries  Construction 3,064 2,122 1,963 485 1,168 136 138 190 9,264 Mholesale trade 2,587 2,071 1,041 436 715 76 52 37 7,014 Retail Trade 2,324 1,804 1,270 492 813 137 55 103 6,996 Accommodation, Cafes 668 297 98 169 199 3 26 51 1,513 and  Restaurants  Transport and Storage 1,781 939 829 286 745 125 40 36 4,786 Communication Services np np np 122 43 60 11 1 32 6,233 Property and Business 6,290 5,024 980 612 1,718 160 38 442 15,266 Services  Health Services (a) 1,107 843 631 356 316 99 11 40 3,406 Cultural and 1,408 532 452 151 187 41 43 25 2,835 Recreational Services  Personal Services (b) np np 146 72 85 17 6 18 82 EABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500			OPERA	TING PRO	FIT BEF	ORE TA	X			
Industries  Construction 3,064 2,122 1,963 485 1,168 136 138 190 9,264 Mholesale trade 2,587 2,071 1,041 436 715 76 52 37 7,014 Retail Trade 2,324 1,804 1,270 492 813 137 55 103 6,996 Accommodation, Cafes 668 297 98 169 199 3 26 51 1,513 and  Restaurants  Transport and Storage 1,781 939 829 286 745 125 40 36 4,786 Communication Services np np np 122 43 60 11 1 32 6,233 Property and Business 6,290 5,024 980 612 1,718 160 38 442 15,266 Services  Health Services (a) 1,107 843 631 356 316 99 11 40 3,406 Cultural and 1,408 532 452 151 187 41 43 25 2,836 Recreational Services  Personal Services (b) np np 146 72 85 17 6 18 82 EABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500	Total selected service	20.015	19 286	7 533	3 101	6,006	806	410	973	58 130
Construction 3,064 2,122 1,963 485 1,168 136 138 190 9,260 Wholesale trade 2,587 2,071 1,041 436 715 76 52 37 7,014 Retail Trade 2,324 1,804 1,270 492 813 137 55 103 6,996 Accommodation, Cafes 668 297 98 169 199 3 26 51 1,513 and Restaurants  Transport and Storage 1,781 939 829 286 745 125 40 36 4,786 Communication Services np np np 122 43 60 11 1 32 6,233 Property and Business 6,290 5,024 980 612 1,718 160 38 442 15,264 Services  Health Services (a) 1,107 843 631 356 316 99 11 40 3,404 Cultural and 1,408 532 452 151 187 41 43 25 2,835 Recreational Services  Personal Services (b) np np np 146 72 85 17 6 18 82 EABOUR COSTS   LABOUR COSTS		20,010	10,200	1,555	5,101	3,000	550	710	313	55,150
Wholesale trade         2,587         2,071         1,041         436         715         76         52         37         7,014           Retail Trade         2,324         1,804         1,270         492         813         137         55         103         6,998           Accommodation, Cafes and Carden Ca		3,064	2,122	1,963	485	1,168	136	138	190	9,264
Retail Trade 2,324 1,804 1,270 492 813 137 55 103 6,998 Accommodation, Cafes 668 297 98 169 199 3 26 51 1,513 and Restaurants  Transport and Storage 1,781 939 829 286 745 125 40 36 4,788 Communication Services np np 122 43 60 11 1 32 6,233 Property and Business 6,290 5,024 980 612 1,718 160 38 442 15,264 Services  Health Services (a) 1,107 843 631 356 316 99 11 40 3,404 Cultural and 1,408 532 452 151 187 41 43 25 2,838 Recreational Services  Personal Services (b) np np 146 72 85 17 6 18 825 LABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500										7,014
Accommodation, Cafes 668 297 98 169 199 3 26 51 1,512 and Restaurants  Transport and Storage 1,781 939 829 286 745 125 40 36 4,780 Communication Services np np 122 43 60 11 1 32 6,233 Property and Business 6,290 5,024 980 612 1,718 160 38 442 15,264 Services  Health Services (a) 1,107 843 631 356 316 99 11 40 3,404 Cultural and 1,408 532 452 151 187 41 43 25 2,838 Recreational Services  Personal Services (b) np np 146 72 85 17 6 18 825    LABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500										6,998
Restaurants Transport and Storage 1,781 939 829 286 745 125 40 36 4,780 Communication Services np np 122 43 60 11 1 32 6,233 Property and Business 6,290 5,024 980 612 1,718 160 38 442 15,264 Services Health Services (a) 1,107 843 631 356 316 99 11 40 3,404 Cultural and 1,408 532 452 151 187 41 43 25 2,839 Recreational Services Personal Services (b) np np 146 72 85 17 6 18 82  LABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500	Accommodation, Cafes				169	199	3	26	51	1,512
Transport and Storage 1,781 939 829 286 745 125 40 36 4,780 Communication Services np np 122 43 60 11 1 32 6,233 Property and Business 6,290 5,024 980 612 1,718 160 38 442 15,264 Services  Health Services (a) 1,107 843 631 356 316 99 11 40 3,404 Cultural and 1,408 532 452 151 187 41 43 25 2,839 Recreational Services  Personal Services (b) np np 146 72 85 17 6 18 822	and									
Communication Services										
Property and Business 6,290 5,024 980 612 1,718 160 38 442 15,264 Services  Health Services (a) 1,107 843 631 356 316 99 11 40 3,404 Cultural and 1,408 532 452 151 187 41 43 25 2,838 Recreational Services  Personal Services (b) np np 146 72 85 17 6 18 822  LABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500										4,780
Services Health Services (a) 1,107 843 631 356 316 99 11 40 3,404 Cultural and 1,408 532 452 151 187 41 43 25 2,839 Recreational Services Personal Services (b) np np 146 72 85 17 6 18 822  LABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500										
Cultural and 1,408 532 452 151 187 41 43 25 2,839 Recreational Services Personal Services (b) np np 146 72 85 17 6 18 822  LABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500	Services	6,290	5,024	980	612	1,718	160	38	442	15,264
Recreational Services Personal Services (b) np np 146 72 85 17 6 18 822  LABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500										
Personal Services (b) np np 146 72 85 17 6 18 82:  LABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500		1,408	532	452	151	187	41	43	25	2,839
LABOUR COSTS  Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500				4.40		<b></b>	4-	•	4.0	001
Total selected service 50,995 32,492 21,431 7,533 11,601 2,017 1,211 2,219 129,500	Personal Services (b)	np 	np 	146	/2	85 	17	6	18	821
				LABOUF	R COSTS	5				
liuusties	Total selected service industries	50,995	32,492	21,431	7,533	11,601	2,017	1,211	2,219	129,500

5,281 7,180 7,757 2,911	2,965 4,959 5,523 1,744	2,557 2,602 3,851 1,570	752 1,027 1,670 600	1,446 1,489 1,962 719	159 262 376 256	113 92 209 192	264 147 357 130	13,537 17,758 21,706 8,123
5,379	3,680	2,740	798	1,193	227	157	102	14,276
np	np	778	336	372	100	47	195	5,461
14,904	8,366	4,207	1,333	3,035	388	311	752	33,296
3,049	2,278	2,195	687	974	187	40	147	9,559
1,718	996	554	168	251	33	33	42	3,795
np	np	377	162	159	29	16	82	1,989
	7,180 7,757 2,911 5,379 np 14,904 3,049 1,718	7,180 4,959 7,757 5,523 2,911 1,744  5,379 3,680 np np 14,904 8,366  3,049 2,278 1,718 996	7,180 4,959 2,602 7,757 5,523 3,851 2,911 1,744 1,570  5,379 3,680 2,740 np np 778 14,904 8,366 4,207  3,049 2,278 2,195 1,718 996 554	7,180 4,959 2,602 1,027 7,757 5,523 3,851 1,670 2,911 1,744 1,570 600  5,379 3,680 2,740 798 np np 778 336 14,904 8,366 4,207 1,333  3,049 2,278 2,195 687 1,718 996 554 168	7,180 4,959 2,602 1,027 1,489 7,757 5,523 3,851 1,670 1,962 2,911 1,744 1,570 600 719  5,379 3,680 2,740 798 1,193 np np 778 336 372 14,904 8,366 4,207 1,333 3,035  3,049 2,278 2,195 687 974 1,718 996 554 168 251	7,180 4,959 2,602 1,027 1,489 262 7,757 5,523 3,851 1,670 1,962 376 2,911 1,744 1,570 600 719 256  5,379 3,680 2,740 798 1,193 227 np np 778 336 372 100 14,904 8,366 4,207 1,333 3,035 388  3,049 2,278 2,195 687 974 187 1,718 996 554 168 251 33	7,180 4,959 2,602 1,027 1,489 262 92 7,757 5,523 3,851 1,670 1,962 376 209 2,911 1,744 1,570 600 719 256 192  5,379 3,680 2,740 798 1,193 227 157 np np 778 336 372 100 47 14,904 8,366 4,207 1,333 3,035 388 311  3,049 2,278 2,195 687 974 187 40 1,718 996 554 168 251 33 33	7,180 4,959 2,602 1,027 1,489 262 92 147 7,757 5,523 3,851 1,670 1,962 376 209 357 2,911 1,744 1,570 600 719 256 192 130  5,379 3,680 2,740 798 1,193 227 157 102 np np 778 336 372 100 47 195 14,904 8,366 4,207 1,333 3,035 388 311 752  3,049 2,278 2,195 687 974 187 40 147 1,718 996 554 168 251 33 33 42

np not available for publication but included in totals where applicable, unless otherwise indicated.

Source: Experimental Estimates: Australian Industry, a State Perspective(Cat. no. 8156.0).

#### SUBDIVISION ESTIMATES

Table 3 shows the experimental estimates of total operating income by industry subdivision for each State and Territory of Australia. The estimates at the subdivision level illustrate ABS plans to produce finer dissections of State data in the future. Users should be aware that these data should be used with extreme caution and should refer to the relative standard error table in the Information Paper. Further work will be undertaken on the estimates to improve the quality and accuracy of these data.

#### **FUTURE PLANS FOR STATE ESTIMATES**

The ABS released another publication on July 19 this year entitled Information Paper: Business Income Tax Data for Regional Small Business Statistics-Experimental Estimates, Selected Regions, Australia (Cat. no. 5675.0). That information paper outlines an investigation the ABS is undertaking into the use of ATO business income tax data to improve the range of regional economic statistics. This work is aimed at meeting the demand from users for regional business indicators. This investigation has progressed to a stage where the ABS has produced experimental estimates of regional business economic activity for selected regions for 1995-1996, 1996-1997 and 1997-1998.

Other initiatives regarding State estimates are taking place within the ABS. The Survey of Inventories, Sales and Services collects State dissections for two items-income from sales of goods and services; and wages and salaries. Subject to a current investigation into the quality of the data, State estimates for these items will be released in current price terms in Business Indicators, Australia (Cat. no. 5676.0) for the December quarter 2001. From the Survey of Employment and Earnings the ABS releases a quarterly publication Wages and Salary Earners (Cat. no. 6248.0) in which State estimates of earnings and wages and salaries are available. (This latter publication will be superseded by Business Indicators, Australia (Cat. no. 5676.0) at the end of 2001.)

#### **FURTHER INFORMATION**

This article is based on information from an Information paper Experimental Estimates: Australian Industry, a State Perspective (Cat. no 8156.0) which is available on the ABS website at

<sup>(</sup>a) Excludes ANZSIC subdivision 87.

<sup>(</sup>b) Excludes ANZSIC subdivisions 96 and 97.

www.abs.gov.au. The ABS welcomes feedback from readers regarding the usefulness, range and quality of the data presented and explanations provided. Please contact The Director, Economy Wide Statistics Section, Australian Bureau of Statistics, PO Box 10, Belconnen ACT 2616 or e-mail merry.branson@abs.gov.au

TABLE 3. EXPERIMENTAL ESTIMATES, Total operating income by industry subdivision-998-1999

Period	New South Wales (\$m)	VictoriaÇ (\$m)	ueensland (\$m)	South Australia (\$m)	Western Australia (\$m)	Tasmania (\$m)	Northern / Territory (\$m)	Australian. Capital Territory (\$m)	(\$m)
TOTAL SELECTED SERVICE	307,233	226,932	135,154	49,583	77,187	12,602	6,420	12,639	827,751
INDUSTRIES									
Construction	36,085	19,552	19,024	5,584	9,251	1,076	948		93,559
41 General Construction	20,564	10,208	10,905	2,874	4,957	537	479	1,249	
42 Construction Trade	15,521	9,345	8,119	2,710	4,294	539	469	790	41,787
Services									
Wholesale Trade	83,940	61,596	34,121	12,944	20,057	3,190	1,022		218,052
45 Basic Material	25,791	20,193	11,853	4,262	6,679	1,247	372	323	70,720
Wholesaling									
46 Machinery Motor	30,799	21,510	11,818	3,992	7,365	1,089	299	718	77.590
vehicle Wholesaling									
47 Personal and	27,349	19,892	10,451	4,691	6,013	854	350	141	69,742
household									
Good Wholesaling									
Retail Trade	71,619	50,929	36,721	15,077	20,539	3,581	1,761	3,344	203,570
51 Food Retailing	22,085	13,735	11,364	5,824	6,228	883	648	1,023	61,791
52 Personal and	26,210	20,516	13,276	4,820	6,797	1,569	485	1,222	74,895
household									
Good Retailing									
53 Motor vehicle	23,324	16,677	12,081	4,434	7,513	1,129	628	1,098	66,884
Retailing									
and Services									
Accommodation, Cafes	12,039	6,655	6,839	3,013	3,034	1,154	792	536	34,061
and	•	•	,	,	,	ŕ			,
Restaurants									
Transport and Storage	26,146	18,071	11,858	4,290	6,469	1,513	623	257	69,226
61 Road Transport	7,718	5,915	3,733	1,697	2,456	409	117	89	22,133
62 Rail Transport	2,379	1,352	np	154	np	np	_	_	6,230
63 Water Transport	498	np	660	np	265	36	np	3	2,926
64 Air and Space	np	np	np	np	np	np	np	np	np
Transport									
65 Other Transport	405	np	181	np	305	np	np	nn	1,475
66 Services to Transport	7,709	6,137	2,727	996	1,637	166	326		19,816
67 Storage	np	np	np	np	np	np	np	np	
Communication Services	np	np	1,086	401	508	114	48		29,743
Property and Business	49,509	34,664	15,536	4,669	12,361	1,076	882		122,673
Services	45,505	04,004	10,000	4,000	12,001	1,070	002	0,515	122,010
77 Property Services	9,207	5,445	4,176	1,110	2,645	309	150	630	23,672
78 Business Services	40,302	29,219	11,360	3,559	9,717	766	733		99,001
Health Services	8,245	6,119	5,380	1,976	2,473	515	107		25,294
Cultural and Recreational	9,631	7,376	3,073	921	1,834	227	159		23,294
Services	9,031	1,310	3,073	921	1,034	221	139	193	23,413
91 Motion Picture, Radio	4,932	1,882	871	273	nn	37	27	nn	8,300
	4,932	1,002	0/1	213	np	31	21	np	0,300
and Television Services	927	582	242	101	nn	15	11	nn	2 040
92 Libraries, Museums	921	502	242	121	np	12	11	np	2,049
and the Arts									
the Arts	0.770	4.04.0	1 000	F00	4 540	475	100	00	10.005
93 Sports and	3,772	4,912	1,960	526	1,510	175	120	90	13,065
Recreation	·		1 [10	707	004	4 [7	70	202	0.450
Personal Services	np	np	1,516	707	661	157	79	292	8,159

np not available for publication but included in totals where applicable, unless otherwise indicated.

- -nil or rounded to zero.
- (a) Excludes ANZSIC subdivision 87.
- (b) Excludes ANZSIC subdivisions 96 and 97.

Source: Experimental Estimates: Australian Industry, a State Perspective(Cat. no. 8156.0).

### This page last updated 8 December 2006

#### © Commonwealth of Australia

All data and other material produced by the Australian Bureau of Statistics (ABS) constitutes Commonwealth copyright administered by the ABS. The ABS reserves the right to set out the terms and conditions for the use of such material. Unless otherwise noted, all material on this website – except the ABS logo, the Commonwealth Coat of Arms, and any material protected by a trade mark – is licensed under a Creative Commons Attribution 2.5 Australia licence